

**ALLERGENIC PROTEIN AND PEPTIDES FROM  
HOUSE DUST MITE AND USES THEREFOR**

**Abstract**

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Isolated nucleic acids encoding allergens of the species *Dermatophagoides*  
*pteronyssinus* and *Dermatophagoides farinae*, Der p VII and Der f VII, respectively, are  
disclosed. A cDNA encoding a peptide having a Der p VII activity and a predicted  
molecular weight of about 22, 177 daltons is described. A cDNA encoding a peptide  
10 having Der f VII activity is also described. The nucleic acids of the invention can be used  
as probes to detect the presence of Der p VII or Der f VII nucleic acid in a sample or for  
the recombinant production of peptides having a Der p VII or Der f VII activity. Peptides  
having a Der p VII or Der f VII activity can be used in compositions suitable for  
pharmaceutical administration or methods of diagnosing sensitivity to house dust mite  
15 allergens.